ABSTRACT

A system for generating, at a client location, an image representative of a view of an object, includes:

    A.   an image capture system for generating a plurality of image data sets associated with an object at an image capture location, each of the image data sets being representative of an image of the object as viewed from an associated image capture viewing angle;

    B.   an image processor for transforming the image data sets to a matrix data set, the matrix data set being representative of the plurality of image data sets;

    C.   a client processor;

    D.   means for transmitting the matrix data set to the client processor, wherein the client processor is responsive to a user specification of a user-specified viewing angle, for generating client view data from the matrix data set, wherein the client view data is representative of an image of the object viewed from the user-specified viewing angle; and

    E.   a client display at the client location responsive to the client view data to display the object.